

CONFIDENTIAL

6 November 1964

MEMORANDUM FOR THE RECORD

SUBJECT: Trip Report [REDACTED]

25X1

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[REDACTED] visited on 2 November to determine their progress on the variable ratio Anamorphic Eyepiece Contact. The following items were discussed:

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1. [REDACTED] felt that the eyepieces could be made to fit other stereomicroscopes but an adapter for each would have to be fabricated. The present adapters for the zoom 70 will only work on one instrument. [REDACTED] claims that the two viewing channels have different image planes. It was agreed that we would furnish a list of stereomicroscopes that should be investigated for adaption.

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2. The zoom axis rotation was stiff and [REDACTED] agreed to make this action smoother.

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3. The eyepieces have a 3-1 anamorphic stretch without the need for refocusing and a maximum 5-1 anamorphic stretch.

4. The test that were performed [REDACTED] are described on the test sheet included.

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5. [REDACTED] furnished a drawing of the instrument and 4 slides of the eyepieces.

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6. [REDACTED] plans to mail the eyepieces on Wednesday 4 November 1964.

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[REDACTED]
Development Branch
Plans and Development Staff

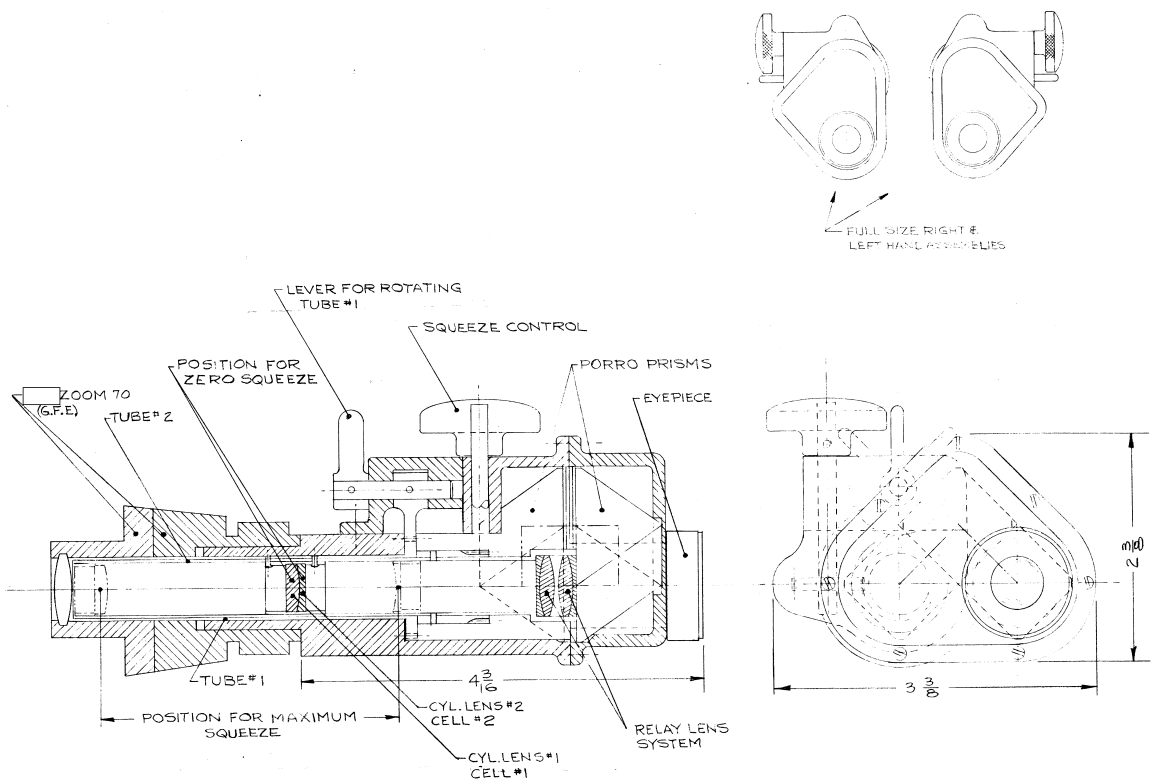
Distribution:

Orig - Contract File
1 - Originator
1 - P&DS/DB Chrono

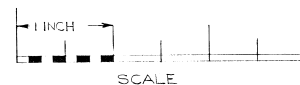
**Declass Review by
NIMA/DOD**

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THEORY OF OPERATION
TURNING TUBE #2 INSIDE TUBE #1 CONTROLS THE
SQUEEZE RATIO.
TURNING TUBE #1 ALIGNS TWO (2) MAGNIFICATION
AXES WITH VIEWED OBJECTS



APR 24 1964

DWG NO. SHEET

UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
TOLERANCES ON DIMENSIONS	
DECIMAL	ANGULAR
2 PLACE ± .03	±
3 PLACE ± .010	FRACTIONAL
4 PLACE ± .0005	±
MATERIAL	
FINISH	